

SEQUENCE LISTING

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 BERGQUIST, PETER L.
 SCHOLIN, CHRISTOPHER A.

<120> COMPOSITIONS AND METHODS FOR DETECTING RAPIDOPHYTES

<130> 50681200121

<140> To be assigned
 <141> Herewith

<150> 09/596,136
 60/141,362
 <151> 2000-06-16
 1999-06-28

<160> 30

<170> PatentIn Ver. 2.1

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18

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CGACTGAGCA CGCACCTTT

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 GTGCTCAGCT ACTCTCCAGG GCTAAGTCTG TTTGTGAAAG ACAGCATCAT GCACGCTGAT 180
 AATCCGGTTC TTGCCTTGGA TGTGTAGCG TCTTGAGCCG TCCTCAACGA GTCGAGTTGC 240
 TTGGGATTGC AGCTCTAAGC GGGTGGTAAA TTCCATCTAA AGCTAAATAT TGGTGGGAGA 300
 CCGATAGCGA ACAAGTACCG TGAGGGAAAG ATGAAAAGAA CTTTGAAAAG AGAGTTAAAT 360
 AGTACCTGAA ACTGCTGAAA GGAAGCGAA TGAAGTCAGT GTTGCTCTTT GTTCTCTGCA 420
 TCCTCCCTGC GGGGATTGTG TATCGAGGAC TTTGAGCTTG TCAGGATGAG TTCTCTGCCG 480
 CGGGATATGG TTTGTGAGCT GGATGCTTCT GCTGAAGTCA CTCTCTCTGT CGTGGCTTGG 540
 ACTGAGGTTT CATCTTGCCG TTGCCTGCTT GTTACTCTCC TGTTGCTGTT TCTGTCTTAC 600
 TGCTTGAGT GTTCGGTTGC AGTGATTGGA CTGTGCAAGT TATGCATGCA AGGTCAGGAT 660
 CCTGACGAAT GGCTTTATTA ACCCGAA 687

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 <213> Chattonella subsalsa

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CTACTCTCCA GGGCTAAGTC TGTTTGTGAA AGACAGTGTC ATGGACGGTG ATAACCCGGT 180
TCTTGCCCTTG GATGTTGTAG CGTTTTGAGC CGTCTCAAC GAGTCGAGTT GCTTGGGATT 240
GCAGCTCTAA GTGGGTGGTA AATTCATCT AAAGCTAAAT ATTGTTGGGA GACCGATAGC 300
GAACAAGTAG CGTGAGGGAA AGATGAAAAG AACTTTGAAA AGAGAGTTAA ATAGTACCTG 360
AAACTGCTGA AAGGGAAGCG AATGAAGTCA GTGTTGCTCT TGTGCTCTG CATCTCCCTG 420
CGGGGGATTG TGTATCGAGG ACTTTGAGCT TGTGAGGATG AGTTCTCTCG CGGGGGATAT 480
GT'TTTGTATG CTGGATGCTT TTTGCGGAAC ATACATTTCT TGTGCTGGCT TGGACTGAGG 540
TTCCATCTTG CCGTTGCGTG TGCCTTCTCT TCCCGTTGCT GTCCTCTGTT TACTGCTTGC 600
AGTGTCTAGT TGCAGTAGTT GGACTGTGCG TATTATGCAT GCAAGGTCAG GATCCTGACG 660
AATGGCTTTA TTCACCCGCA A 681

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<213> Fibrocapsa japonica

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GATGTAAATC TGGGTGACGT TTCGTTACCC CGAATTGTAG TCTACAGAAG CGTGTCCAGC 120
CGCGCCCCCT GCGCAAGTCC CCTGGAACGG GGCATCGTGG ACGGTGACAA TCCGGTTTCA 180
GCCGTGGGCT TCCGCTGTGT ACGGGCCGTT TTCAACGAGT CGAGTTGCTT GGGATTGCA 240
CTCTAAGCGG GTGGTAAATT CCATCTAAAG CTAATATTTG GTGGGAGACC GATAGCGAAC 300
AAGTACCGTG AGGGAAGAT GAAAAGAACT TTGGAAGAG AGTTAAACAG TACCTGAAT 360
TGCTTAAAGG GAAGCGAAGG AAGTCAGTGT ATGCCGGGGG TCATATTTCT TGCTGCTTGC 420
AGGGGTAGTG CGCGCTGTGT CCCATGGGCT GGTGAGGATG GGT'TTGTTC CGGGGAGATT 480
CCAGGGTTG AGTAGGTCC TTTTGGATTG TCAGCAACCC TGTGGCATGT CGTGGTTCGG 540
ACCGAGGCAT TAGTGACCTT TGGTTTGTAC GGT'TTTATAT GCGTGATCAT GTCTGTGACA 600
GCATGCTGTG CGCGTTGTGT TATCGTTTAT TTGCTTGCA TTCCCGTCG GCTCTAGATC 660
CTGTCAAATG GCTTCTTTC ACCTCTTGAA AGACGGACCA AGG 703

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<212> DNA
<213> Heterosigma akashiwo

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GTAACGGCGA GTGAAGCGGG AAGAGCTCAT GTTGTAATC TCCAGCTTGC TGGCGAATTG 120
TAGTCTAAAG GTGCGTGCTC AGTCGTGGTC CCGGGCTAAG TCTGTTGGAA AACAGCATCA 180
TGGACGGTAG CAATCCGTTT CTTCCTGGG GTCCCGCGCG GTACGAGCCG TTTCGACGAC 240
TCGTGTTGTC TTGGGATTGC AGCACTAAGT GGGTGGTAAA TTCCATCTAA AGCTAAATAT 300
TGTTGGGAGA CCGATAGCGA ACAAGTACCG TGAGGGAAG ATGAAAAGAC TTTTGAAGAG 360
AGAGTAAAT AGTACCTGAA ACTGCTGAAA GGAAGCGAT TGAAGTCAGT GTTGTCTCTG 420
GTCTTTTTCG CTGCGCCCCC GTGGGGGTTG CGCGCTGGGG CCTGGAGCGT TTCAACATGC 480
GTCTCTTTCG CGGGGAATGT TTAGCTGTGC TGAACCTCG GGGAAACGCA CTGTTCTTGT 540
CTGTGTTAGG ACGGAGGACC TTTGCTCTCT TGACTGCGG TTCTCTCTC GGGATGCTG 600
GTGTCTACTG CTGCGATTT TCATTTTCAT GCTTGCAGCT GTGCGTGTA TTATCATGCG 660
AACATGATGT TGAAGAAATG GCTTTAATTA CCCCCTCTG AAACACGGAC CAAGG 715

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 AGCCGTGCTC CAGGGCTAAG TCTGTGGAA AACAGCATCA TGGACGGTGA TAATCCGGTT 180
 CTTGCCCTGG GTGTGGCGGT GIACGAGCCG TGATCCACGA GTCGAGTTGC TTGGGATTGC 240
 AGCTCTAAGC GGGTGGTAAA TTCCATCTAA AGCTAAATAT TGGTGGGAGA CCGATAGCAA 300
 ACAAGTACCG TGAGGGAAAG ATGAAAAGAA CTTTGAAAAG AGAGTTAAAA AGTACCTGAA 360
 ATTGCTGAAA GGGAGCGGAA TGAAGTCAGT GTCTGCTCCT GGTGTATT TCGGAGTCCC 420
 TGCGGGGATT CCGGCACTGT GGCCTGGAGC ATGTCAGGAT GAGTTCCTCG CCGTGGGATA 480
 TGTTTGGTGG GATTGGTACC TTCGGGGAAA CCCGCCACTC TTGTCATGGC TTGGACTGAG 540
 GTTCCATCTC GCCGTTTGCC TGCCCGTCGC TCTCTGCCGG TTGTTGCTGT CCTACTGCTT 600
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PCR Primer

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<210> 30
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<220>
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PCR Primer

<400> 30
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